CW#59&HW#59: Determining Dilations

Geometry

Due: Wednesday, Dec. 16th

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_

Failure to show ALL WORK and follow all directions COMPLETELY will result in LaSalle.

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| You will be able to determine if a dilation occurred. | |
| How do you know when a dilation has occurred? | What type of figures are produced by a dilation? |
| ../../../../../Desktop/Screen%20Shot%202015-12-13%20at%205.34.12%20PMSuppose you were given a pre-image (Y) and an image (X), what are some strategies could you use to determine if a dilation occurred between them? | |
| Directions: Determine if a dilation occurred from each pre-image 🡪 image. | |
| ../../../../../Desktop/Problems/problem%205.png  D’’  C’’  B’’  A’’  D  C  B  A | ../../../../../Desktop/Problems/problem%206.png  D’’  C’’  B’’  A’’  D  C  B  A |
| ../../../../../Desktop/Problems/problem%207.png  D’’  B’’  C’’  A’’  D  C  B  A | ../../../../../Desktop/Problems/problem%208.png  D’’  C’’  B’’  A’’  D  C  B  A |

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| Say you were given the coordinates of a pre-image (X) and image (Y) instead of a graph. What are some strategies you could use to determine if a dilation occurred? | |
| Determine if a dilation occurred from ABC 🡪 A’’B’’C’’  A(0,2) 🡪 A’’(2.5,-1) B(3,0) 🡪 B’’(3.5,2) C(-1,0) 🡪C’’(3.5,-2) | Determine if a dilation occurred from DEFG 🡪 D’E’F’G’  D(-1,2) 🡪 D’’(-1.5,-3) E(3,2) 🡪 E’’(-3.5,-3) F(0,0) 🡪 F’’(-2,-1) G(0,-2) 🡪 G’’(-2,1) |
| Determine if a dilation occurred from HIJK🡪 H’’I’’J’’K’’  H(-1,2) 🡪 H’(-3,1.5) I(3,2) 🡪 I’(-3,-6) J(0,0) 🡪 J’(-6,-1.5) K(-2,0) 🡪 K’(-6,1.5) | Determine if a dilation occurred from LMN 🡪 L’M’N’  L(-1,2) 🡪 L’(-3,1.5) M(3,2) 🡪 M(-1,1.5) N(0,0) 🡪 N(-2.5,-1.5) |

Review

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| Find the measure of the following angles and describe the angle relationship you used to find it:  m∠A =  relationship used:  m∠B =  relationship used:  Solve for x:  ../../../../../Desktop/Screen%20Shot%202015-12-13%20at%205.52.12%20PM | Find the measure of the following angles and describe the angle relationship you used to find it:  m∠A =  relationship used:  m∠B =  relationship used:  m∠C =  relationship used:  Solve for x:  ../../../../../Desktop/Screen%20Shot%202015-12-13%20at%205.52.16%20PM |

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| 13.  a) In your own words, describe what supplement means.  b) in your own words, describe what complement means.  c)The Supplement of ∠*A* is 120°. What is the measure of ∠*A*’s complement? | 14. The complement of ∠*B* is 70°. What is the measure of the supplement? |

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| ../../../../../Desktop/Screen%20Shot%202015-12-13%20at%209.31.27%20AM | ../../../../../Desktop/Screen%20Shot%202015-12-13%20at%209.31.30%20AM |
| Solve for x  ../../../../../Desktop/Screen%20Shot%202015-12-13%20at%206.37.38%20PM | Solve for x  ../../../../../Desktop/Screen%20Shot%202015-12-13%20at%206.37.42%20PM |
| ../../../../../Desktop/Screen%20Shot%202015-12-13%20at%209.31.35%20AMFind m∠*R*. | ../../../../../Desktop/Screen%20Shot%202015-12-13%20at%209.31.38%20AMFind m∠*R*. |